

## Dipole moments of para-substituted styrylphosphonates

Ishmaeva E., Bondarenko N., Pudovik A.

*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

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### Abstract

1. The dipole moments of the dichlorides and diethyl esters of the styryl- and p-chlorostyrylphosphonic acids were determined. In the diethyl ester of p-chlorostyrylphosphonic acid the diethoxyphosphono group takes a substantial part in the common conjugation chain. 2. The diethoxyphosphono group and the phenyl ring in the diethyl esters of the p-halo- and p-nitro- $\alpha$ -cyanostyrylphosphonic acids are found in the trans-position. © 1972 Consultants Bureau, a division of Plenum Publishing Corporation.

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